

**What Is Claimed Is:**

1        1.    A shock-absorbing structure of a battery  
2 cover, comprising:

3            a battery cover which protects at least one  
4 battery; and

5            a plurality of shock-absorbing ribs formed on  
6 an outer surface of the battery cover.

1        2.    A shock-absorbing structure according to claim  
2 1, wherein the plurality of ribs are arranged  
3 parallel to each other.

1        3.    A shock-absorbing structure according to claim  
2 1, wherein the plurality of ribs are crossed in a  
3 lattice-like manner.

1        4.    A shock-absorbing structure according to claim  
2 1, further comprising:

3            at least one fixing member engaged with an  
4 electrode of the at least one battery; and

5            at least one projection which is formed on an  
6 inner surface of the battery cover and can abut  
7 against the at least one fixing member.

1        5.    A shock-absorbing structure according to claim  
2 4, wherein the at least one projection has an  
3 annular shape to form a hollow portion therein, and  
4 a distal end portion of the electrode is received

5 in the hollow portion of the at least one  
6 projection.

1 6. A shock-absorbing structure according to claim  
2 4, wherein a gap between the at least one  
3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 7. A shock-absorbing structure according to claim  
2 5, wherein a gap between the at least one  
3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 8. A shock-absorbing structure according to claim  
2 4, wherein the plurality of ribs and the at least  
3 one projection are disposed substantially  
4 symmetrically with respect to a plane of the  
5 battery cover.

1 9. A shock-absorbing structure according to claim  
2 1, wherein the plurality of ribs are interconnected  
3 by at least one bulge portion formed on the battery  
4 cover.

1 10. A shock-absorbing structure according to claim  
2 9, wherein the at least one bulge portion and the

3 plurality of ribs project substantially to the same  
4 height.

1 11. A shock-absorbing structure of a battery  
2 cover, comprising:

3 a battery cover which protects at least one  
4 battery;

5 at least one fixing member engaged with an  
6 electrode of the at least one battery; and

7 at least one projection which is formed on an  
8 inner surface of the battery cover and can abut  
9 against the at least one fixing member.

1 12. A shock-absorbing structure according to claim  
2 11, wherein the at least one projection has an  
3 annular shape to form a hollow portion therein, and  
4 a distal end portion of the electrode is received  
5 in the hollow portion of the at least one  
6 projection.

1 13. A shock-absorbing structure according to claim  
2 11, wherein a gap between the at least one  
3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 14. A shock-absorbing structure according to claim  
2 12, wherein a gap between the at least one

3 projection and the at least one fixing member is  
4 smaller than a gap between the electrode and the  
5 battery cover.

1 15. A shock-absorbing structure according to claim  
2 11, further comprising:

3 a plurality of shock-absorbing ribs formed on  
4 an outer surface of the battery cover.

1 16. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs are arranged  
3 parallel to each other.

1 17. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs are crossed in a  
3 lattice-like manner.

1 18. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs and the at least  
3 one projection are disposed substantially  
4 symmetrically with respect to a plane of the  
5 battery cover.

1 19. A shock-absorbing structure according to claim  
2 15, wherein the plurality of ribs are  
3 interconnected by at least one bulge portion formed  
4 on the battery cover.

1        20. A shock-absorbing structure according to claim  
2        19, wherein the at least one bulge portion and the  
3        plurality of ribs project substantially to the same  
4        height.